Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Thursday 15 Dec 2022 until 23:59 on Friday 16 Dec 2022

Forecast Issued on Wednesday 14 Dec 2022 at 11:47

Confidence: High confidence for settled, cold conditions to continue on Thursday and Friday but becoming more unsettled towards the weekend with milder conditions and wet and windy weather likely. Lower confidence in the detail and timings of rain, sleet and snow.

Headline for Thursday 15 Dec 2022: A dry, sunny and cold day with northwesterly winds easing.

Mountain weather hazards on Thursday 15 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Clear night	Sunny	Sunny	Sunny	Clear night	Clear night
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	<05%	<05%	<05%

Forecast for Thursday 15 Dec 2022

Weather: A clear night with very little cloud but a severe frost is likely. A bright and sunny day ahead but feeling very cold in the northerly winds with a significant chill expected. Very little cloud expected. Perhaps some mist and fog forming later in the day but a mostly clear and dry evening once again.

Chance of cloud-free hill tops above 800m: 95% very little cloud at low level.

Low cloud and visibility: Excellent visibility is expected with good views all around. Any cloud will be above the tops of the fells.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2022. All Rights Reserved.

Mountain Weather Forecast

Forecast for Thursday 15 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	17/21 N	22/26 N	22/27 N	21/25 NE	17/21 NE	13/16 NE	12/15 NE	11/13 N	10/13 N
600	12/17 NW	14/21 NW	13/19 N	12/17 N	9/13 N	8/11 N	8/11 N	5/8 NW	6/9 NW
300	4/14 NW	4/17 NW	6/17 N	6/16 N	4/11 N	4/10 N	4/9 N	3/8 NW	3/9 NW
Valley	5/14 NW	5/16 NW	8/19 N	7/18 N	4/11 N	5/11 N	4/10 NE	3/8 NE	2/7 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-6/-13	-6/-14	-6/-14	-5/-13	-4/-11	-4/-10	-4/-10	-4/-9	-5/-10
600	-5/-11	-5/-11	-4/-11	-4/-10	-2/-7	-3/-8	-3/-8	-3/-6	-3/-7
300	-4/-6	-3/-6	-3/-6	-2/-6	0/-2	-1/-4	-2/-4	-1/-3	-2/-4
Valley	-2/-4	-1/-4	0/-4	0/-3	2/-0	1/-1	0/-2	-0/-2	-1/-2
Freezing Level*	00m	00m	00m	00m	100m	100m	00m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill in the morning with fresh northwesterly winds.

Forecast for Friday 16 Dec 2022

Weather: A clear, dry night for the Lake District but cloud beginning to form around dawn. A few snow flurries can be expected during the day but clearer spells in between. Mist and fog can be expected in the evening.

Maximum wind: Northwesterly turning southwesterly winds 15 gusts 25 mph**.**

Chance of cloud-free hill tops above 800m: 90%, patches over the tops at times especially in showers.

Low cloud and visibility: Patchy cloud around 6-700m at times otherwise very good visibility but perhaps becoming moderate or poor in snow showers.

Temperature: **Valleys:** Minus 5 rising to 2 Celsius.
At 800m: Minus 4 Celsius
Freezing level: 100m rising to 400m

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2022. All Rights Reserved.

Mountain Weather Forecast

Ground Conditions Supplement

Date: Wednesday 14 December 2022. Location: Helvellyn summit at 12:08. Full report: A beautiful but very cold day in the Lakes with terrain widely frozen down to valley level and freezing temperatures remaining in place throughout daylight hours in most areas. The general lack of precipitation since the start of the cold spell means that snow cover is actually very lean, with rime ice and hoar frost making the hills look white on many north and east-facing (shady) slope aspects, whereas south-facing (sunny) slopes are relatively bare with little or no snow or ice present. Swirral and Striding edges are a mixture of all of the above. Large areas of water ice are present on and around paths adjacent to drainage lines, particularly at low and mid-elevations and care should be taken around these areas. The summit windchill (feels-like) temperature in relatively moderate wind speeds today was around -16 C making it feel extremely cold. Full winter clothing (warm and waterproof) including hats and gloves and a headtorch are all essential for anyone venturing into the hills. It is recommended that anyone considering steep and exposed routes such as the Helvellyn edges carries an ice axe and crampons, however, given the very lean snow cover at the moment, microspikes may be more useful.

Issued at: 1147 on Wed 14 Dec 2022

© Crown Copyright 2022. All Rights Reserved.